EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	43324	high adj (overpressure back adj pressure pressure) with (channel microchannel micro adj channel conduit recess groove trench)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 08:59
L14	47282	(feed$3 introduc$4 inject$3 deliver$3) with (input inlet recess port open$3) with (fluid liquid reagent sample) with (channel microchannel micro adj channel conduit capillary groove trench)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 09:12
L16	33998	(thrust elastic compress$4 spring resilient sponge rubber neoprene) with (valve overpressure microvalve micro adj valve back adj pressure pressure) same (feed$3 introduc$4 inject$3 deliver$3) with (open$3 input inlet recess port) with (fluid liquid reagent sample)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 09:14
L18	733188	(reduc$4 releas$3 relief reliev$3) near2 (overpressure back adj pressure pressure)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 09:24
L19	850	8 and 14 and 16 and 18	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 09:24
L20	440553	(valve microvalve micro adj valve) with (channel microchannel micro adj channel conduit capillary passage)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 09:28

L21	775	19 and 20	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 09:28
L24	772	L21 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 09:29
L26	3	L21 not L24	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 09:30
L27	146	L21 and "137"/$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 09:33
L30	1	"6267884".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 10:00
L31	711755	(thrust elastic compress $4 spring resilien$2 sponge rubber neoprene) near3 (surface layer plate substrate wall backplate)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 10:07
L32	177	21 and 31	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 10:08
L33	1370194	(thrust elastic compress $4 spring resilien$2 sponge rubber neoprene) with (recess cavity chamber depression well open $3)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 10:31
L34	170	32 and 33	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 10:31
L35	1	L21 and (422/113, 137/67, 137/832, 137/833, 251/336).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 12:06
L36	2	L21 and (422/113, 137/67, 137/832, 137/833, 251/336, 422/100).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/29 12:08
L50	2	("6290791", "6395232").pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/29 12:36
S1	0	"10487089"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/29 14:30

S2	1	"20090214390".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/10/29 14:31
S3	864184	(thrust elastic compress $4 spring) with (valve overpressure microvalve micro adj valve back adj pressure pressure)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:29
S4	9375	S3 and "422"/$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:30
S5	9008	S4 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:30
S6	367	S4 not S5	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:30
S7	115092	(feed$3 introduc43 inject$3 deliver$3) with (input inlet recess port) with (fluid liquid reagent sample)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 14:38
S8	911636	(thrust elastic compress $4 spring) with (valve overpressure microvalve micro adj valve back adj pressure pressure)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 14:38
S9	9980	S8 and "422"/$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:38
S10	9557	S9 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:38
S11	423	S9 not S10	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:38
S12	112648	S7 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 14:39
S13	2444	S7 not S12	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 14:39
S14	176	S11 and S13	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 14:40

S15	16371	(thrust elastic compress $4 spring) with (valve overpressure microvalve micro adj valve back adj pressure pressure) same (feed$3 introduc43 inject$3 deliver$3) with (input inlet recess port) with (fluid liquid reagent sample)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 14:54
S16	16327	S15 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:54
S17	44	S15 not S16	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 14:55
S18	470537	pressure near2 (releas$3 lower$3 decreas$3 compensat$3 stabiliz$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 16:06
S19	391768	(thrust elastic compress $4 spring) with (valve microvalve micro adj valve)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 16:09
S20	12675	S7 and S18 and S19	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/03 16:09
S21	256	S20 and "422"/$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/03 16:09
S22	59981	(channel microchannel micro adj channel) near10 (valve microvalve micro adj valve)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 14:42
S23	893234	(pressure overpressure back adj pressure) with (wall plate layer substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 14:43
S24	1987130	(wall plate layer substrate) with (releas$3 lower$3 decreas$3 compensat$3 stabiliz$3)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 14:45

S25	1894517	(foam rubber thrust elastic compress$4 spring mov$3 movable resilient) with (wall plate layer substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 14:48
S26	7644	S22 S23 S24 S25	US-PGPUB; USPAT; USOCR	AND	ON	2010/11/04 14:48
S27	5	S26 and (137/903-904). ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 15:14
S28	85	S26 and (137/803-838). ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 15:33
S29	1	S26 and (137/839-840). ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 15:38
S30	6	S26 and (137/839-842). ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 15:39
S31	8	S26 and (137/844-850). ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 15:41
S32	46	S26 and (137/844-860). ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 15:41
S33	555	S26 and (137/844-861). ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 15:41
S34	541322	(pressure overpressure back adj pressure) near10 (valve microvalve micro adj valve)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 16:14
S35	6126	S26 and S34	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 16:14
S36	451554	(pressure overpressure back adj pressure) near5 (valve microvalve micro adj valve)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 16:15
S37	5598	S26 and S36	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 16:15

S38	679005	(pressure overpressure back adj pressure) near5 (releas$3 lower $3 decreas$3 compensat$3 stabiliz $3)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 16:17
S39	4775	S26 and S38	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 16:17
S40	16378	(thrust elastic compress $4 spring) with (valve overpressure microvalve micro adj valve back adj pressure pressure) same (feed$3 introduc43 inject$3 deliver$3) with (input inlet recess port) with (fluid liquid reagent sample)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 16:39
S41	16334	S40 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/04 16:39
S42	44	S40 not S41	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/04 16:39
S43	470861	pressure near2 (releas $3 lower$3 decreas$3 compensat$3 stabiliz $3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/04 16:39
S44	16	S42 and S43	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/04 16:39
S45	3672	S26 and S43	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/04 16:55
S46	59	S45 and (137/803-838). ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 16:55
S47	55704	pressure adj (wall plate layer substrate)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 17:03
S48	548	S26 and S47	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 17:03
S49	507	S48 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 17:05

S50	41	S48 not S49	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 17:06
S51	482	(high adj pressure overpressure) adj release	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 17:12
S52	481	S51 not microfluidic	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 17:12
S53	1	S51 not S52	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 17:12
S54	237	(high adj pressure overpressure) adj release same (channel microchannel micro adj channel chamber well volume)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 17:14
S55	48	(high adj pressure overpressure) adj release near10 (channel microchannel micro adj channel chamber well volume)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/04 17:14
S57	2	("6290791", "6395232").pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 09:02
S58	16378	(thrust elastic compress$4 spring) with (valve overpressure microvalve micro adj valve back adj pressure pressure) same (feed$3 introduc43 inject$3 deliver$3) with (input inlet recess port) with (fluid liquid reagent sample)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 09:15
S59	16334	S58 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:15
S60	44	S58 not S59	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:15
S61	81228	(elastic) with (valve overpressure microvalve micro adj valve back adj pressure pressure)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:18

S62	69321	(elastic) with (overpressure microvalve micro adj valve back adj pressure pressure)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:18
S63	634	(elastic) with (overpressure back adj pressure)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:19
S64	0	S63 and "422".ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:19
S65	4	S63 and "422".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 09:19
S66	6	(US-20090214390-$ or US-20070077547-$ or US-20040086427-$).did. or (US-7622081-$ or US-6779554-$ or US-6290791-$).did.	US-PGPUB; USPAT	OR	OFF	2010/11/05 10:08
S67	527764	(thrust elastic compress $4 spring rubber foam) with (valve overpressure microvalve micro adj valve back adj pressure pressure) same (inlet input port recess open$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 10:32
S68	5531	S67 and "422"/$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 10:33
S69	5359	S68 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 10:33
S70	172	S68 not S69	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 10:33
S79	356192	((thrust elastic compress$4 spring rubber foam deform $4) near10 (inlet input port recess open$3)) same (valve overpressure microvalve micro adj valve back adj pressure pressure)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 13:16

S80	3744	S79 and "422"/$.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 13:17
S81	3578	S80 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 13:17
S82	166	S80 not S81	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 13:18
S83	73398	(pressure overpressure back adj pressure) adj (relief release)	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 13:22
S84	23	S82 and S83	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 13:22
S85	143	S82 not S84	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 13:27
S86	352	S79 and (137/803-838).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 14:43
S87	297	S86 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 14:44
S88	55	S86 not S87	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 14:44
S89	1744	S79 and (137/839-842, 137/843-860, 137/561, 137/861, 137/903).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/05 15:02
S90	1739	S89 not microfluidic	US-PGPUB; USPAT; USOCR	OR	OFF	2010/11/05 15:02
S91	1	"4072291".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/11/23 13:32

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L37	1	(Microfluidic connection carrier element channel fixed feeding backplate fluid recess opposing elastic thrust piece). clm.	US-PGPUB; USPAT; UPAD	AND	ON	2010/11/29 12:10
L38	1	(422/113, 137/67, 137/832, 137/833, 251/336, 422/100). ccls. and (Microfluidic connection carrier element channel fixed feeding backplate fluid recess opposing elastic thrust piece). clm.	US-PGPUB; USPAT; UPAD	AND	ON	2010/11/29 12:11

11/29/2010 12:38:42 PM
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